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[**GRATIS**].

ADMINISTRATION REPORT
OF THE
PUBLIC WORKS DEPARTMENT,
RAIPUTANA

For the year 1919-20.

AJMER :
PRINTED AT THE SCOTTISH MISSION PRESS,
1921.

ADMINISTRATION REPORT

OF THE

Public Works Department, Rajputana, for the year 1919-20.

REVENUE.

1. The total Public Works revenue amounted to Rs. 42,263 as detailed below :—

				Rs.
XXX—Minor Works and Navigation	...	...	...	16,721
XXXI—Civil Works...	...	...	...	23,348
XXXIV—Military Works	...	...	...	2,194
Total Revenue	...	...	...	42,263

Of the revenue under Minor works and Navigation Rs. 12,711 was realised from the levy of water rates on account of water supplied for irrigation purposes from the Government tanks in Ajmer-Merwara, and the remainder from rents of buildings, fines and miscellaneous sources. The revenue under Imperial Civil and Military Works consisted mainly of rents of buildings, sales of tools and plant and materials from old buildings, and "fines, refunds and miscellaneous."

EXPENDITURE.

2. The total expenditure (including Establishment and tools and plant charges) on Public Works during the year 1919-20 amounted to Rs. 8,93,904 as noted below :—

Fund head.	Expenditure in India.	Expenditure in England.	TOTAL.
<i>Imperial.</i>	Rs.	Rs.	Rs.
33.—Famine Relief Works	6,849	..	6,849
35.—Construction of Protective Irrigation Works	6,275	...	6,275
43.—Irrigation, Minor Works and Navigation	1,02,241	...	1,02,241
45.—Civil Works	5,81,858	2,874	5,84,732
47.—Imperial Military Works	1,07,173	3,004	1,10,177
Other Remittance Accounts.— "His Majesty's Government":—			
EXPENDITURE ON			
(i) Providing temporary accommodation for Indian Infantry Lines, Deesa	8,731	...	8,731
Rs. 11,820			
(ii) Expansion of Indian Infantry Lines, Deoli			
Rs.—3,089			
<i>Local Funds and Contributions.</i>			
Local Funds.—Civil Works	25,026	...	25,026
Contributions { Civil Works	45,116	...	45,116
{ Military Works	4,757	...	4,757
<i>Takavi advances.</i>			
Irrigation Works	...	...	...
GRAND TOTAL	8,88,026	5,878	8,93,904

3. 47.—IMPERIAL MILITARY WORKS.

MILITARY BUILDINGS AND ROADS.

(a) "SPECIAL DEMANDS," ORIGINAL WORKS.

An expenditure of Rs. 14,188 (including Rs. 3,004 spent in England on purchase of cooking stoves, fittings etc.) was incurred during the year on the work of constructing 16 married family quarters for British troops at Mount Abu.

The plinth area estimate of this project amounted to Rs. 1,57,920, but the work was stopped within three months of its commencement under orders from the Military authorities owing to insufficiency of funds.

(b) "ORDINARY DEMANDS."

The expenditure on Original Works and Repairs (excluding Contribu-
tional works) was Rs. 44,614 and Rs. 26,750 respectively.

The following Major and Minor works exceeding Rs. 500 each were carried out or were in progress during the year.

MAJOR WORKS.

II. ACCOMMODATION FOR INDIAN TROOPS.

1. *Expansion of the Indian Infantry Lines at Erinpura.*

Estimated cost (exclusive of establishment and tools and plant charges) ...	Rs. 48,104
Expenditure during 1919-20 " " ... "	7,238
Expenditure to end of 1919-20 " " ... "	41,486

This work was undertaken originally in 1918 in connection with the War, and the expenditure was debited in the first instance to "His Majesty's Government." The whole cost was, however, subsequently charged to "47-Military Works, Ordinary demands" during 1919-20, under orders from the Government of India. The following are details of the works comprised in the project:—

	Estimated cost.	Expenditure during 1919-20.	Expenditure to end 1919-20.
	Rs.	Rs.	Rs.
5 Barracks for 50 Single men each ...	33,416	3,203	31,682
Constructing 3 Cook-houses... ..	2059	39	2,050
Constructing 14 bathing cubicles for 375 men	430	...	439
Constructing ration stores for 250 men ...	2,199	These two works have been undertaken in 1920-21.	
Plastering	1,500		
Constructing rifle ranges	4,000	29	3,348
Compensation to contractors	4,500	956	956
Add Materials at site ... ..	...	3,011	3,011
Total ...	48,104	7,238	41,486

MINOR WORKS.

	Estimated cost.	Expenditure during 1919-20.
	Rs.	Rs.
I.—Accommodation for British Troops. (Hospitals).—		
2. Converting the roof of the Operating Room in the Station Hospital, Deesa, from double tiles to corrugated iron sheets with double tiles	1,817	1,812 Completed.

	<i>Estimated cost.</i>	<i>Expenditure during 1919-20.</i>
	Rs.	Rs.
<i>IV.—General Cantonment Works.—</i>		
3. Deepening well No. 1 in Nek Chal Tank for the use of the Deoli Regiment	926	872 Completed.
<i>Barrack Department.—</i>		
4. Supplying furniture for the Indian Station Hospital, Deoli	838	* 298 † 798 Completed.
5. Supplying furniture for the Indian Station Hospital, Deoli	504	500 Completed.
6. Supplying teakwood furniture for the Indian Station Hospital, Erinpura	2,207	* 246 † 2,223 Completed.
7. Supplying new furniture for the Hospital at Erinpura, (Officers' Ward)	1,030	* 69 † 861 Completed.
8. Supplying new furniture for the British Station Hospital, Abu	1,127	675 In progress.

4. OTHER REMITTANCE ACCOUNTS.—“HIS MAJESTY'S GOVERNMENT.”

(A). Providing temporary accommodation for Indian Infantry at Deesa.

This work, which was originally taken up in April 1918 in connection with the War to provide accommodation for one of the prospective new battalions of Indian Infantry, was completed during the year 1919-20. The estimate for the work amounted to Rs. 84,694 inclusive of establishment and tools and plant charges, while the expenditure was Rs. 64,059 and 11,820 during 1918-19 and 1919-20 respectively. The whole cost was debited to “His Majesty's Government.”

The following are details of the works and repairs comprised in the project:—

	<i>Estimated cost.</i>	<i>Expenditure during 1919-20.</i>	<i>Expenditure to end of 1919-20.</i>
<i>Indian Infantry Lines.—</i>	Rs.	Rs.	Rs.
1. Constructing cooking sheds comprising 16 blocks	10,210	86	10,205 Completed.
2. Repairs and alterations to married quarters to accommodate single men	5,517	399	5,756 Completed.
3. Turning tiles and special repairs of married quarters	7,216	673	6,637 Completed.
4. Providing verandah on the front side of married quarters	7,214	...	8,224 Completed.
5. Special repairs and turning tiles of Armourer's shop	631	...	655 Completed.
6. Providing arm-racks for 2/3rd Gaur Brahmans	1,072	...	1,001 Completed.

* During 1919-20. † To end of 1919-20.

	<i>Estimated cost.</i>	<i>Expenditure during 1919-20.</i>	<i>Expenditure to end of 1919-20.</i>
<i>Royal Artillery and British Infantry Lines.—</i>	Rs.	Rs.	Rs.
7. Special repairs, turning tiles and re-tiling Station Hospital and European Infantry and Royal Artillery Lines	29,788	2,638	19,767 Completed.
8. Making arm-racks for 450 rifles for the 120th Infantry	394	375	375 Completed.
9. Providing a pump for drawing water from wells	4,150	6,262	6,262 Completed.
10. Repairing damages caused by heavy rainfall to <i>Kutch</i> barracks in Native Infantry Lines	4,157	20	3,867 Completed.
11. Making kit-racks for married blocks of Indian Infantry Lines	846	120	718 Completed.
12. Conversion of existing "A" rifle range into gallery pattern range and repairs etc.	3,824	50	3,904 Completed.
13. Making <i>pukka</i> platform for latrine and urinals	90	...	89 Completed.
14. Making a <i>pukka</i> drain near well No. 1, European Infantry Lines	50	8	50
15. Constructing an incinerator for European Infantry Lines	159	5	159
16. Removing the slab stone floor from gun-shed and refixing them with lime concrete in racket court	373	18	327
17. Making temporary wind-mill targets for "B" range	400	...	363
18. Special Repairs to Staff Sergeant's quarters	159	...	...
19. Providing wire gauze shutters for cook-house in Royal Artillery Lines	51	...	...
Total ...	76,301	10,649	68,359
Establishment and tools and plant ...	8,393	1,171	7,520
Grand Total ...	84,694	11,820	75,879

(B). *Expansion of the Indian Infantry Lines, Deoli.—*

Work on this scheme, of which the estimate amounted to Rs. 1,82,754 was commenced in September 1918, but upon the announcement of the Armistice in November of the same year it was stopped under orders of the Military authorities. The expenditure in 1918-19 amounted to Rs. 28,038 on account of compensation to contractors, cost of materials collected and excavation of foundations, and was debited to "His Majesty's Government." The estimate was closed during 1919-20: some compensation was paid to the contractors, and the amount realised from the sale of materials was credited to the work during the year.

Expenditure in 1919-20 —* 3,089

* (On account of credit for sale of materials).

45.—IMPERIAL CIVIL WORKS.

CIVIL BUILDINGS.

5 The expenditure on Original Works and on Repairs, Civil Buildings, was Rs. 1,99,621 and 43,676 respectively.

The following Original Works exceeding Rs. 500 each were carried out or were in progress during the year:—

	Estimated cost.	Expenditure during 1919-20.	
	Rs.	Rs.	
<i>Posts and Telegraphs.—</i>			
1. Constructing a new Post Office at Ajmer, with quarters for the Post Master	1,72,647	17,950	In progress.
2. Constructing 8 married and 4 bachelor telegraphists' quarters at Ajmer, with out-houses	67,490	19,010	In progress.
3. Alterations to Telegraph buildings, Deesa	522	517	Completed.
<i>Salt.—</i>			
4. Surveying work required at the Sambhar Salt Lake	1,994	298	In progress.
<i>Administration.—</i>			
5. Providing teak wood screen for the Political Agent's bungalow at Deoli.	770	757	Completed.
6. Additions and alterations to Confidential Clerk's quarters at the A.G.G.'s Camp Office, Ajmer	1,989	1,844	"
7. Constructing quarters for the Hon'ble the A.G.G.'s Chauffeur at Ajmer ...	3,456	1,859	In progress.
8. Providing wire gauze against iron gratings in the Treasury room, Ajmer	735	699	Completed.
9. Providing accommodation for Tahsil, Forest and Police staff etc. at Mount Abu	59,547	* 8,965	In progress.
10. Constructing quarters for A. G. G.'s Confidential Clerk at Mount Abu ...	7,954	† 60,055 7,108	"
11. Making a new well for the Tahsil buildings at Mount Abu	2,254	562	"
12. Providing wire gauze shutters, kitchen chimney etc. in the bungalow "Club Gate," Mount Abu	1,135	1,131	Completed.
13. Constructing a grass shed and stalls for the bungalow "Club gate," Mount Abu	857	857	"
14. Constructing a grass shed at Assistant's quarter No. 4, "The Knoll," at Mount Abu	706	694	"
<i>Minor Departments.—</i>			
15. Converting certain rooms of the Tahsil at Ajmer to suit the Museum ..	1,054	1,103	"
16. Constructing quarters for the Chowkidar of Abdullah Khan's tomb, Ajmer.	763	777	"
17. Substituting chain rail by a masonry compound wall in the Badshahi building, Ajmer	775	717	"
<i>Educational.—</i>			
18. Constructing new Government High School at Ajmer	4,83,731	* 69,533 † 2,23,849	In progress.

* During 1919-20.

† To end of 1919-20.

	Estimated cost. Rs.	Expenditure during 1919-20. Rs.	
19. Extension of the Normal and Model School buildings, Ajmer	1,01,718	* 16,999 † 42,042	In progress.
20. Adding a class room each to the Secondary Vernacular Schools at Saradha, Pisangan and Masda ...	5,154	* 417 † 5,181	Completed.
21. Improving roads of the Government College, Ajmer	714	707	"
22. Constructing an additional room for the Secondary Vernacular School at Sawar	3,215	3,089	"
23. Providing bathing platforms and latrines etc. in the Government College, Ajmer	2,376	2,357	"
24. Constructing a Boarding House, Superintendent's quarters, and Kitchen etc. for the Secondary Vernacular School at Bhim	10,761	* 200 † 10,763	"
<i>Ecclesiastical.—</i>			
25. Providing a compound wall and gate for the extension of the cemetery at Mount Abu	1,840	1,520	In progress.
<i>Jails.—</i>			
26. Constructing a cookhouse at the Central Jail, Ajmer	5,786	5,815	Completed.
27. Deepening 3 wells in the Jail garden, and opening two wells inside the Jail, at Ajmer	7,157	7,427	"
28. Improving the water supply of the Central Jail, Ajmer	8,080	8,081	In progress.
29. Constructing a shed for cattle at the Central Jail, Ajmer... ..	962	1,042	Completed.
30. Providing Sojat stone seats for night latrines at the Central Jail, Ajmer.	552	497	"
31. Additions and alterations to the Sub-Inspector's quarters attached to the Magistrate's Jail, Mount Abu ...	907	900	"
<i>Police.—</i>			
32. Levelling and dressing the parade ground in the Police Lines at Ajmer.	667	652	"
33. Additions and alterations to the Police out-post at Ajmeri gate, Beawar ...	966	909	"
<i>Medical —</i>			
34. Providing wire gauze doors and ventilators to the Agency Hospital, Deoli	2,518	2,527	"
<i>Miscellaneous.—</i>			
35. Additions and improvements to the Public Works Department Office at Nasirabad	711	715	"
36. Additions and alterations to the Old Agency Hospital, Mount Abu, (used as a residential building) ...	1,967	* 706 † 1,961	"
<i>Miscellaneous Public Improvements.—</i>			
37. Survey of sites for buildings etc. at Mount Abu, during 1919-20 ...	747	626	In progress.
38. Taking observations of, and clearing site for inspection across, the Kudra Nullah in connection with Abu Water Supply Scheme ...	666	631	Completed.

* During 1919-20.

† To end of 1919-20.

COMMUNICATIONS.—IMPERIAL. CIVIL.

6. The expenditure on Original Works and Repairs, Communications, was Rs. 33,010 and 1,77,226 respectively.

The Original Works carried out or in progress during the year are noted below :—

	<i>Estimated Cost.</i>	<i>Expenditure during 1919-20.</i>	
	Rs.	Rs.	
1. Widening the metalled portion of the Ajmer-Beawar road from the Trevor Town Hall to the Martindale Bridge, Ajmer	17,829	8,966	In progress.
2. Providing raised foot-paths along the Ajmer-Beawar road from the Trevor Town Hall to the Martindale Bridge, Ajmer	12,772	3,442	"
3. Improving drainage of ditto.	14,001	7,074	"
4. Constructing a ferry boat for the Banas crossing on the Nasirabad-Deoli road	6,117	6,304	Completed.
5. Raising parapets of the culverts on Ajmer-Nasirabad road	1,285	1,316	"
6. Constructing a road dam in mile 18 of Ajmer-Beawar road	1,086	353	In progress.
7. Improving drainage of the Ajmer-Beawar road opposite the Railway Station, Ajmer	2,793	* 12 † 2,916	"
8. Widening Beawar-Dawair road between miles 36 and 37	2,016	(a) 410	Completed.
(a) (Remainder of work abandoned, vide S. E.'s No. 1231.C. dated 22-8-1919.)			
9. Paving road dams with stone on edge in lime masonry on Beawar-Dawair Road	1,912	1,199	In progress.
10. Supplying new furniture for the Inspection bungalow at Erinpura	1,659	* 979 † 1,407	"
11. Improving the Beawar-Dawair Road at mile 41, furlong 3, in Todgarh Sub-collectorate	932	515	"
12. Making a temporary crossing across the Jawai river on Erinpura cart road...	862	862	Completed.

43.—MINOR WORKS AND NAVIGATION.

7. The expenditure under this head on Works and Repairs, including Establishment and Tools and Plant, was Rs. 1,02,241 which was incurred on the maintenance and repairs of Government tanks in Ajmer-Merwara.

The following original works exceeding Rs. 500 each were carried out or were in progress during the year :—

	<i>Estimated cost.</i>	<i>Expenditure during 1919-20.</i>	
	Rs.	Rs.	
<i>Capital Works.—Head Works—</i>			
1. Restoring the Makrera Tank No. 168 in Beawar Sub-collectorate	61,146	* 11,540 † 20,622	In progress.
<i>Revenue Works.—Extensions and Improvements.—Tanks and Reservoirs.—</i>			
2. Strengthening the dam of Dabrela Tank No. 29-214 in Ajmer Sub-collectorate	8,863	* 2,665 † 6,835	In progress.
3. Rebuilding portions of ducts Nos. 1 and 2 of Ramsar tank No. 89-29, Ajmer Sub-collectorate	3,536	* 1,893 † 3,419	Completed.

* During 1919-20.

† To end of 1919-20.

	<i>Estimated cost.</i>	<i>Expenditure during 1919-20.</i>	
4. Providing a weir to Lachmipura Tank, No. 63-606, Ajmer Sub-collectorate	817	* 129 † 802	Completed.
5. Providing <i>pucca</i> masonry wall and deepening in certain places the duct of Kharabala tank No. 97 at Kukerkhera in Todgarh Sub-collectorate	2,750	1,139	In progress.
6. Providing dry stone pitching to Rata Bhata tank No. 64-251 at Nolin Lalpura in Todgarh Sub-collectorate	890	* 263 † 786	Completed.
7. Providing wing walls to the sluices of Kalinger tank No. 73-128 in Beawar Sub-collectorate	815	456	In progress.

35.—CONSTRUCTION OF PROTECTIVE IRRIGATION WORKS.

8. The expenditure under this head was Rs. 6,275 on the works noted below :—

<i>Preliminary expenses.—</i>	<i>Estimated cost.</i>	<i>Expenditure during 1919-20.</i>
1. Taking River discharge observations in Ajmer-Merwara during the monsoon of 1919	948	6,275
2. Survey of Famine Relief projects in Ajmer District during 1919-20 ...	3,037	
3. Survey of Famine Relief projects in Merwara District during 1919-20...	2,709	

33.—FAMINE RELIEF WORKS.

9. A sum of Rs. 6,849 was spent under this head during 1919-20. The following works were undertaken :—

	<i>Estimated cost.</i> Rs.	<i>Expenditure during 1919-20.</i> Rs.	
1. Raising and strengthening Lotiana Tank No. 91-390 in Beawar Sub-collectorate	13,037	(a) 3,256	In progress.
(a) The remainder of the work is to be completed as an ordinary irrigation work.			
2. Repairing front slope of Rupnagar Tank No. 49-46 in Todgarh Sub-collectorate	3,857	(b) 2,718	Completed.
(b) Remaining portion completed from grant for "43-Irrigation"			

LOCAL FUNDS AND CONTRIBUTIONS.

Civil Works.

10. The total expenditure on Local Funds and Contributional Works, Civil, (including establishment and tools and plant charges), was Rs. 25,026 and 45,116 respectively.

The following Original Works, exceeding Rs. 500 each, were carried out, or were in progress, during the year :—

* During 1919-20.

† To end of 1919-20.

ORIGINAL WORKS.

	<i>Estimated cost.</i>	<i>Expenditure during 1919-20.</i>	
	Rs.	Rs.	
<i>Excluded Local Funds.</i>			
1. Improvements to the District Fund Roads in the Ajmer District ...	8,443	2,395	In progress.
<i>Contributonal Works.—</i>			
2. New supply of tools and plant for the Ajmer Municipality ...	906	365	"
3. Special repairs to Barhis ferry boats on Nasirabad-Deoli Road ...	1,566	500	"
4. Constructing additional room for the Primary School at Karel ...	2,500	1,171	"
5. Ditto. at Jalia ...	2,351	2,226	Completed.
6. Ditto. at Kadera ...	2,792	938	In progress.
7. Constructing a new room for the Vernacular school at Baghera ...	2,611	* 2,772	Completed.
8. Constructing additional room for the Primary School at Sawar ...	3,579	† 278	
9. Improvements to the Primary School at Masuda ...	960	‡ 3,565	Completed.
10. Constructing nurses' quarters and a wash-room attached to the Female Mission Hospital, Ajmer ...	7,317	† 632	
11. Constructing a new School house at Kotra ...	5,985	‡ 3,511	"
12. Additions and alterations to the Primary School at Bhim. ...	3,475	† 69	
		‡ 6,046	"
		1,052	In progress.

REPAIRS (LOCAL FUNDS AND CONTRIBUTIONAL).

The following expenditure was incurred during 1919-20 :—

	<i>Excluded Local funds.</i>	<i>Contributions, Civil.</i>
	Rs.	Rs.
Civil Buildings ...	9	366
Communications ...	17,997	1,010
Miscellaneous Public Improvements (water supply etc.) ...	...	25,942
Total ...	18,006	27,318

CONTRIBUTIONAL WORKS. MILITARY.

11. The following Military contributonal works were also carried out during the year :—

	<i>Estimated cost.</i>	<i>Expenditure during 1919-20.</i>	
	Rs.	Rs.	
1. Constructing a class room on the first floor of gymnasium in the Abu Lawrence School ...	9,272	43	In progress.
2. Constructing six quarters for servants in the Abu Lawrence School. ...	3,853	3,853	Completed.
3. Extending the existing kitchen and converting tailor's house into a new kitchen at the Abu Lawrence School ...	1,531	† —60	
		‡ 1,426	Completed.
4. Extension of play-ground of the Abu Lawrence School ...	1,419	† 734	
		‡ 1,264	Completed.

* Unfinished work of previous year.

† During 1919-20.

‡ To end of 1919-20.

ESTABLISHMENT.

12. The Establishment charges for the year 1919-20 amounted to Rs. 1,61,182 as detailed below, or 24·68 per cent, upon the outlay on Works and Repairs (excluding outlay on which Establishment charges were specially exempted or were not leviable under the rules), as against 22·30 per cent. in the previous year:—

Fund and Major Head.	Outlay on Works and Repairs on which percentage is charged.	Charges for Establishment.	Percentage for Establishment upon the outlay on Works and Repairs.	
			1919-20.	1918-19.
IMPERIAL.	Rs.	Rs.		
33—Famine Relief Works ...	92	4	4·50	...
35—Protective Irrigation Works ...	1,109	484	43·61	36·79
43—Minor Works and Navigation ...	67,322	27,910	41·46	42·42
45—Imperial Civil Works ...	465,659	105,587	22·67	22·83
47—Imperial Military Works (Ordinary and Special Demands) ...	82,548	18,718	22·68	22·68
Barrack Department (Military) ...	5,762	576	10·00	10·00
Other Works { War Controller.	- 26,381	- 2,506	- 9·50	- 9·50
{ Civil Department (Residency furniture).	418	94	22·49	22·50
		§ - 2,095		
LOCAL FUNDS & CONTRIBUTIONS.				
Excluded Local Funds, Civil Works ...	20,200	4,463	22·09	22·52
Contribution Works—Civil.	36,228	7,947	21·94	22·76
Contribution Works, Military	...	...	...	...
Total ...	6,52,957	1,61,182	24·68	22·30

* Includes the following items:—

	Rs.
(a) Providing accommodation for Indian Infantry lines at Dresa. (Debited to "His Majesty's Government") ...	10,649
(b) Expansion of Indian Infantry lines at Eriupura (Originally debited to "His Majesty's Government," but written back in 1919-20 to "47 Military Works, Ordinary.") ...	- 34,247
(c) Expansion of Indian Infantry lines at Deoli. (Minus entry due to value of materials sold and credited to "His Majesty's Government," to which head the expenditure was originally debited) ...	- 2,783
Total ...	- 26,381

§ Rs. 2,095 represents write-back of Establishment charges levied on expenditure incurred in connection with the Residency furniture at Mount Abu and Ajmer during 1918-19.

TOOLS AND PLANT.

13. The charges during the year on account of Tools and Plant amounted to Rs. 13,271 as detailed below, or 2·05 per cent. upon the outlay on Works and Repairs (excluding outlay on which charges for Tools and Plant were specially exempted or were not leviable under the rules):—

Fund and Major Head.	Outlay on Works and Repairs on which percentage is charged.	Charges for Tools and Plant.	Percentage for Tools and Plant upon the outlay on works and repairs.
IMPERIAL.	Rs.	Rs.	
35—Protective Irrigation Works ...	1,109	23	2·07
43—Minor Works and Navigation ...	67,322	1,371	2·04
45—Imperial Civil Works ...	4,65,659	9,485	2·04
47—Imperial Military Works (Ordinary and Special demands) ...	82,548	1,682	2·04
Other Works { War Controller ...	* - 26,381	- 132	- 0·50
{ Civil Department, (Residency furniture)...	418	{ 8	1·91
	...	{ § - 152	
LOCAL FUNDS AND CONTRIBUTIONS.			
Excluded Local Funds—Civil Works.	20,200	363	1·80
Contribution Works, Civil ...	36,228	623	1·72
Contribution Works, Military ...	...	...	...
Total ..	6,47,103	13,271	2·05

PERSONNEL.

14. Mr. C. E. Hall continued to hold charge of the appointment of Superintending Engineer, Rajputana, and Secretary to the Local Administration in the Public Works Department, up to the 6th October 1919, when he was re-transferred to the United Provinces. Lt. Col. C. C. H. Hogg, C. M. G., R. E. succeeded Mr. Hall as Superintending Engineer and Secretary, but he remained in the post only up to the 7th December 1919, as he was appointed by the Government of India as a Member of the Stores Purchase Committee. Mr. W. E. G. Belcher, Superintending Engineer, took over charge from Lt. Col. Hogg, and held the post for the remaining period of the year under report.

Rai Bahadur Chattan Lall and Mr. R. Gadsby, Executive Engineers, continued to hold charge of the Ajmer and Mount Abu Divisions respectively, throughout the year.

DIRECTOR, CIVIL SUPPLIES.

15. Mr. H. J. Hope, Executive Engineer, (United Provinces), continued to hold charge of the post of Director, Civil Supplies, Rajputana and Ajmer-Merwara, up to the 7th May 1919, when he proceeded on long leave. After Mr. Hope's departure the duties of Director, Civil Supplies, were performed by the Superintending Engineer and Secretary, Public Works Department, in addition to his own duties, during the remaining period of 1919-20.

* *Vide* details given in para 12 above.

§ Rs. 152 represents write-back of Tools and Plant charges levied on expenditure incurred in connection with Residency furniture at Mount Abu and Ajmer during 1918-19.

16. The usual appendices showing the roads maintained by the Public Works Department during the year, and furnishing details of the expenditure incurred under the various finance heads, are attached.

17. A map of the Province and a diagram showing the expenditure are also appended.

L. B. SPILSBURY,

Secretary to the Hon'ble the Agent to the
Governor-General, Rajputana,
and Chief Commissioner, Ajmer-Merwara,
in the Public Works Department.

APPENDIX A.

Statement showing the length of metalled and unmetalled roads maintained by the Public Works Department, Rajputana, during the year 1919-20.

Division.	District and Native States.	IMPERIAL ROADS.		DISTRICT BOARD ROADS.		TOTAL MILEAGE MAINTAINED.	
		Metalled.	Unmetalled.	Metalled.	Unmetalled.	Metalled.	Unmetalled.
		Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
Ajmer Division *	Ajmer ...	173	96	43	17	216	113
	Kishangarh ...						
	Jaipur ...						
	Mewar ...						
Mount Abu Division* ...	Merwar ...	105	109	...	65	105	174
	Mount Abu ...						
	Sirohi ...						
	Deesa ...						
	Marwar ...						
	Total ...	278	205	43	82	321	287

* See detailed statement attached.

STATEMENT I.

Statement showing the length of metalled and unmetalled roads maintained in the Ajmer Division during the year 1919-20.

Name of road.	From	To	LENGTH MAINTAINED.				Length not maintained.	Total length.	REMARKS.	
			Metalled.	Unmetalled.						
1	2	3	1	5	6	7	8			
IMPERIAL ROADS.										
Ajmer District.										
1 Ajmer-Jaipur Road, 0 to 12 miles.	Ajmer, 0 mile	Gegal, 12th mile	12	0	0	0	12	0	0	
2 Do. do. 12 to 29 3/4 miles.	Gegal, 12th mile	Bandar-Soudi, 29 3/4 mile.	17	6	0	0	17	6	0	
3 Ajmer-Beawar Road (Kharwa Section).	Ajmer, 6 mile	Kharwa, 24th mile	24	0	0	0	24	0	0	
4 Ajmer-Nasirabad Road	Ajmer, 1st mile	Nasirabad, 14th mile	13	0	0	0	13	0	0	
5 Nasirabad Circular Road	Road boundaries.—Eastward 2,460 yards from the junction of Neemuch and Deoli Roads, South 650 yards at the junction of the Nasirabad-Deoli Road.	Junction with the Nasirabad-Deoli Road in the North.	1	3	0	0	1	3	0	
6 Nasirabad Deoli Road	Nasirabad, 6th furlong	Deoli Cantonment, 57th mile.	56	2	0	0	56	2	0	
7 Nasirabad-Neemuch Road (British territory).	Nasirabad, 6 1/2 furlong	Khari river near Bari village, 29th mile.	28	1 1/2	0	0	28	1 1/2	0	
8 Nasirabad-Neemuch Road (Udaipur territory).	Near Bari village, 29th mile.	Piplin Chowki, 125th mile.	0	96	0	0	96	0	0	
9 Nasirabad-Mangliawas Road	Nasirabad, 1th furlong	Mangliawas, 14th mile, 6th furlong.	14	2	0	0	14	2	0	
10 Ajmer-Pashkar Road	Ajmer, 2nd mile	Pashkar, 7th mile, 3 1/2 furlong.	5	3 1/2	0	0	5	3 1/2	0	
11 Nasirabad-Ramsar Road	Junction of Nasirabad Circular Road, 5th furlong, 501 feet.	Mile 1 of Nasirabad-Ramsar Road.	0	2	69	0	0	2	69	
Total, Imperial Roads			172	1	69	96	0	268	1	69
Ajmer District.										
do.										
The first two miles are maintained by the Ajmer Municipality.										

Furlongs 1 to 4 are maintained by the Military Department, Nasirabad.

Do. do.

The first two miles are maintained by the Ajmer Municipality.

DISTRICT FUND ROADS.

Ajmer District.

DISTRICT FUND ROADS.															
Ajmer District.															
12.	Bndha-Pushkar Road	Pushkar Ghati, 11th mile, 4th furlong.	Budha-Pushkar, 6th mile.	...	...	1	4	0	...	...	1	4	0	Kutcha Road: branches off from 4th mile, 4th furlong of Ajmer-Pushkar Road.
13.	Ajmer-Srinagar Road	Ajmer Municipal boundary, 3rd mile. Do.	Srinagar, 11th mile ...	8	0	0	...	...	...	...	8	0	0	First 3 miles are maintained by the Ajmer Municipality.
14.	Ajmer-Ararka Road	Do.	Ararka, 12th mile ...	...	...	...	...	...	9	0	0	0	0	Do.
15.	Mangliawas-Pisangan Road	Mangliawas Police Station, 0 mile.	Pisangan, 12th mile ...	3	1	0	8	...	...	...	12	0	0	Commences at mile 16, furlong 3 of the Ajmer-Bearwar Road from Mangliawas Inspection Bungalow.
16.	Harmara-Tilonia Road	Harmara, 0 mile ...	Tilonia, 2nd mile, 6th furlong.	2	6	0	...	...	...	...	2	6	0	
17.	Kharwa-Masuda Road	Kharwa Inspection Bungalow, 4th furlong.	Masuda entrance gate at 9th mile, 2nd furlong.	...	...	...	...	...	8	6	0	6	0	
18.	Nasirabad-Srinagar Road	Nasirabad, 2nd mile, 1½ furlong.	Srinagar, 9th mile, 7th furlong.	7	5	330	...	...	...	...	7	5	330	Two miles and 2½ furlongs are in charge of Cantonment.
19.	Nasirabad-Ramsar Road	Nasirabad, 1st mile ...	Ramsar, 10th mile ...	9	0	0	...	...	...	...	9	0	0	First mile is in charge of the Military Works Department, Nasirabad.
20.	Bandanwara-Masuda Road	Bandanwara Inspection Bungalow, 0 mile.	Masuda, 12th mile, 4th furlong.	5	1	0	7	0	0	...	12	1	0		
21.	Bandanwara-Bhinai Road	Bandanwara Inspection Bungalow, 0 mile.	Bhinai, 7th mile ...	7	0	0	...	...	...	...	7	0	0	
22.	Bhinai-Kekri Road	Bhinai, 7th mile ...	Kekri, 34th mile ...	...	...	...	...	...	27	0	0	0	0	
23.	Savar-Kekri Road	Savar, 0 mile ...	Kekri, 15th mile ...	...	...	...	...	...	15	0	0	0	0	
24.	Kekri-Junia Road	Kekri, 1st mile ...	Junia, 9th mile ...	...	...	...	...	...	8	0	0	0	0	
25.	Deoli-Shahpura Road	Deoli Cantonment, 0 mile.	Shahpura, 3rd mile ...	...	...	...	...	...	3	0	0	0	0	The length is 30 miles from Deoli to Shahpura, but only miles 1 to 3 are in charge of the P. W. D.
Total District Fund Roads, Ajmer District				43	3	330	17	0	0	70	6	0	131	1	330
Grand Total, Imperial and District Fund Roads, Ajmer District				215	7	399	113	0	0	70	6	0	399	5	399

STATEMENT II.

Statement showing the length of metalled and unmetalled roads maintained in the Mount Abu Division during the year 1919-20.

Name of road.	From	To	LENGTH MAINTAINED.				Length not maintained.		Total length.		REMARKS.		
			Metalled.		Unmetalled.								
			Mls.	Ft.	Mls.	Ft.	Mls.	Ft.	Mls.	Ft.			
1	2	3	1				5		6		7		8
IMPERIAL ROADS.													
Mount Abu Division													
1. Ajmer-Beawar Road (Kharwa-Sendra Section).	Kharwa, M 24 from Ajmer.	Sendra, Mile 14, Furlong 2, feet 61 from Ajmer.	20	2	61	20	2	61	Total length is 2 mile-, 3 furlongs and 70 feet, out of which 4 furlongs and 10 feet are maintained by the Sirchi State.
2. Beawar-Dawair Road...	Beawar Municipal boundary, M.1., F. 3.	Mile 13 from Beawar.	16	5	0	..	..	..	..	16	5	0
3. Abu Cart Road	.....	.....	17	5	..	..	..	..	..	17	5	0
4. " Station Roads	.....	.....	2	1	0	5	0	..	..	7	1	0
5. Abu-Oria Road	.....	.....	0	6	0	3	6	0	..	1	1	0
6. Abu-Anadra Road	.....	.....	0	2	0	5	0	..	..	5	7	0
7. Abu High School Road	.....	.....	0	5	0	..	..	..	..	0	5	0
8. " Volunteer	.....	.....	..	..	..	..	..	..	..	..	..	..
9. " Rifle Range	.....	.....	..	..	..	0	2	0	..	0	2	0
10. Abu Sanitarium Roads	.....	.....	..	..	..	2	1	0	..	2	4	0
11. Deesa Cantonment Roads	.....	.....	8	0	0	..	..	..	..	8	0	0
12. Erinpura Cart Road	.....	.....	6	2	0	..	..	..	..	6	2	0
13. " Cantonment Roads	.....	.....	2	2	0	..	..	..	..	2	2	0
14. Deesa-Anadra Road	.....	.....	..	..	..	11	6	0	..	41	6	0
15. Anadra-Erinpura Road	.....	.....	..	..	..	15	3	0	..	15	3	0
16. Dilwara Pilgrims' Road	1st mile, 3rd furlong of Abu Cart Road.	Dilwara, as far as it lies in the Abu Leased Area.	..	..	..	1	7	30	..	1	7	30
Total, Imperial Roads.			101	6	61	109	1	30	..	213	7	91	
DISTRICT FUND ROADS.													
Merwara District													
16. Suraghata Road	Beawar, Mile 5, F. 6, Ft. 152 on Beawar-Dawair Road.	Suraghata, Mile 16 from Beawar.	..	..	..	10	1	208	..	10	1	208
17. Beawar-Sheopura Road	Beawar Municipal boundary, M. 1, F. 1, Ft. 122.	Sheopura, Mile 11 from Beawar.	..	..	..	..	..	..	9	3	238	
18. Beawar-Masuda Road...	Beawar Municipal boundary, M. 1.	Masuda, Mile 14, from Beawar.	..	..	..	13	0	0	..	13	0	0

Total length is 2 mile, 3 furlongs and 70 feet, out of which 1 furlong and 10 feet are maintained by the Sirohi State.

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19. Beawar-Dilwara Road	...	Beawar Municipal boundary, furlong 3, ft. 39.	Dilwara, mile 3, furlong 2 from Beawar.	2	6 621	2	6 621
20. Beawar-Chitar Road	...	Beawar Municipal boundary, furlong 5, ft. 270.	Chitar, mile 10, furlong 7, ft. 171 from Beawar.	...	...	...	...	...	10	1 561	10	1 561
21. Nayanagar-Beawar Road	...	Beawar Municipal boundary, mile 1, furlong 5, ft. 621.	Old Beawar, mile 4 from city.	...	...	...	...	...	2	2 39	2	2 39
22. Beawar-Rupnagar Road	...	Beawar Municipal boundary, mile 1, furlong 2, ft. 550.	Rupnagar, mile 5, furlong 2, ft. 606 from Beawar.	...	...	...	...	...	4	0 56	4	0 56
23. Beawar-Balad Road	...	Beawar Municipal boundary, furlong 7, ft. 129.	Balad, mile 3, furlong 6, ft. 498 from Beawar.	...	...	...	...	...	2	7 329	2	7 329
24. Beawar-Kotra Road to its junction with Nalbar Road.	...	Beawar Municipal boundary, mile 1, furlong 4, ft. 135.	Mile 12, furlong 1, ft. 45 from Beawar.	...	...	...	...	...	10	7 570	10	7 570
25. Sendra-Chitar Road	...	Beawar-Sendra Road, mile 8, furlong 6, ft. 333.	Chitar, mile 12, furlong 1, ft. 600 from Beawar.	...	...	...	...	...	3	6 67	3	6 67
26. Sendra-Kotra Road	...	Beawar-Sendra Road, mile 8, furlong 4, ft. 390.	Kotra, mile 12, furlong 7, ft. 620 from Beawar.	...	...	...	...	...	1	3 330	4	3 330
27. Jessakhara-Todgarh Road via Barakhan.	...	Beawar, mile 25, furlong 5, ft. 45.	Beawar-Dawair Road, mile 43, ft. 50 from Beawar.	...	15	3 35	...	...	...	...	15	3 35
28. Dawair Pass Road	...	Mile 67 from Beawar.	Marwar state boundary, mile 72, fur. 3, ft. 60.	...	...	...	...	...	5	2 60	5	2 60
29. Bhim-Kaladeh-Titri Road	...	Beawar, mile 31, furlong 5, ft. 314.	Between Akhajitgarh and Lalpura.	...	...	...	...	...	11	1 98	11	1 98
30. Bhim-Akhajitgarh-Lalpur Road.	...	Beawar, mile 34, furlong 5, ft. 314.	Mewar State boundary, mile 13, furlong 5, ft. 549.	...	...	...	...	...	9	235	9	235
31. Lakhagudha-Dawair Road	...	Mile 48 from Beawar.	Mile 67 from Beawar.	...	19	...	...	...	...	...	19	...
32. Bhim-Barar-Todgarh Road	...	Mile 34, furlong 5, ft. 314 from Beawar.	Joins Beawar-Dawair Road at mile 43, furlong 2, ft. 600 from Beawar.	...	6	7 213	...	...	5	2 591	12	2 141
33. Bhim-Banjari-Bujarel Road	...	Beawar mile 31, furlong 1, ft. 135.	Marwar State boundary.	...	...	...	...	...	12	6 590	12	6 590
Total. District Fund Roads, Mervara District				...	64	3 456	...	...	94	4 425	159	...
Grand Total, Imperial and District Fund Roads, Mount Abu Division				...	6	61 173	...	...	94	4 425	372	7 312

Grand Total, Imperial and District Fund Roads, Mount Abu Division

APPENDIX B.

Statement of expenditure on Public Works in Rajputana for the year 1919-20.

Fund and Finance heads.	EXPENDITURE.			
	1919-20.			1918-19
	Actuals.	Revised estimate.	Budget estimate.	Actuals
IMPERIAL.	Rs.	Rs.	Rs.	Rs.
33—FAMINE RELIEF WORKS IN CHARGE OF P.W.D.				
IRRIGATION WORKS.				
Tanks in Ajmer Sub-Collectorate ...				
" Beawar " ...	5,974	7,300	1,47,000	1,249
" Todgarh " ...				
Total, Irrigation ...	5,974	7,300	1,47,000	1,249
CIVIL WORKS.				
Original works ...	465	...	38,000	...
Repairs ...	...	900	25,910	...
Establishment ...	111	400	2,800	...
Tools and plant ...	299	400	2,200	...
Total, Civil Works ...	875	1,700	69,000	...
GRATUITOUS RELIEF.				
Given in Government Institutions ...	...	...	...	...
Total, Famine Relief ...	6,849	9,000	2,16,000	1,249
35—CONSTRUCTION OF PROTECTIVE IRRIGATION WORKS.				
WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE NOT KEPT.				
Surveys and Investigations ...	6,275	7,000	9,000	4,947
43—IRRIGATION, MINOR WORKS AND NAVIGATION.				
WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.				
CAPITAL OUTLAY.				
Tanks in Ajmer Sub-Collectorate ...	...	...	...	...
" Beawar " ...	14,388	16,500	26,400	11,328
" Todgarh " ...	2,338	...	...	1,102
Total ...	16,726	16,500	26,400	12,430
Carried over, Minor Works & Navigation...	16,726	16,500	26,400	12,430

APPENDIX B—(Contd.)

Fund and Finance heads.	EXPENDITURE.			
	1919-20.			1918-19.
	Actuals.	Revised estimate.	Budget estimate.	Actuals.
IMPERIAL—(Contd.)	Rs.	Rs.	Rs.	Rs.
Brought forward, Minor Work & Navigation.	16,726	16,500	26,400	12,430
REVENUE AND WORKING EXPENSES.				
Tanks in Ajmer Sub-Collectorate ...	55,192	57,200	49,800	51,474
" Beawar " ...	15,197	12,900	22,300	16,055
" Todgarh " ...	13,519	16,900	22,200	23,184
Total ...	83,908	87,000	94,300	90,713
WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE NOT KEPT.				
Survey and experimental works ...	1,607	1,500	1,300	1,405
Total ...	1,02,241	1,05,000	1,22,000	1,04,548
Deduct—Expenditure in England ...	...	...	...	...
Total, Minor works and Navigation ...	1,02,241	1,05,000	1,22,000	1,04,548
47—MILITARY WORKS.				
Original works ...	55,798	9,100	...	3,935
Repairs ...	26,750	22,400	16,500	19,064
Establishment ...	18,718	11,263	5,179	5,217
Tools and plant ...	1,682	317	461	470
Suspense ...	...	...	...	...
Barrack Department ...	7,229	6,800	5,600	11,133
Total ...	1,10,177	49,880	27,740	39,819
Deduct—Expenditure in England ...	3,004	...	...	...
Total, Military Works ...	1,07,173	49,880	27,740	39,819
45—CIVIL WORKS.				
Original works ...	2,44,757	2,38,700	2,14,000	1,38,289
Repairs ...	2,20,902	2,23,300	1,88,000	1,86,855
Establishment ...	1,05,587	1,21,053	1,09,147	74,230
Tools and plant ...	9,485	9,947	15,853	6,652
Suspense ...	4,001	...	...	3,190
Total ...	5,84,732	5,93,000	5,27,000	4,09,216
Deduct—Expenditure in England ...	2,874	...	...	...
Total, Civil Works ...	5,81,858	5,93,000	5,27,000	4,09,216
Total, IMPERIAL (India) ...	8,04,396	7,63,880	9,01,740	5,59,779

APPENDIX B—(Concl'd).

Fund and Finance heads.	EXPENDITURE.			
	1910-20.			1918-19.
	Actuals.	Revised estimate.	Budget estimate.	Actuals.
LOCAL FUNDS.				
CIVIL WORKS.	Rs.	Rs.	Rs.	Rs.
Original works	2,194	2,024	...	69
Repairs	18,006	22,169	23,905	28,289
Establishment	4,463	5,444	5,618	6,386
Tools and plant	363	363	477	570
Total, LOCAL FUNDS ...	25,026	30,000	30,000	35,314
CONTRIBUTIONS.				
MILITARY WORKS.				
Original works	4,757	4,960	619	3,128
Repairs ... ..	...	...	...	...
Establishment ... ..	...	...	...	...
Tools and plant ... ..	...	...	...	...
Total, Military Works ...	4,757	4,960	619	3,128
CIVIL WORKS.				
Original works	9,228	43,605	34,578	10,979
Repairs	27,318			20,458
Establishment	7,947			5,914
Tools and plant	623			1,865
Total, Civil Works ...	45,116	43,605	34,578	38,716
Total, CONTRIBUTIONS ...	49,873	48,565	35,197	41,844
TAKAVI ADVANCES.				
(IRRIGATION WORKS.)				
Works and repairs ... ..	...	...	...	...
Establishment ... ..	...	...	...	...
Tools and plant ... ..	...	...	...	...
Total, TAKAVI ADVANCES ...	...	...	...	...

